

# Product Datasheet

## Integrin alpha 6/CD49f Antibody (GoH3) - BSA Free NBP1-43400-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-43400-0.1mg**

Integrin alpha 6/CD49f Antibody (GoH3) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	GoH3
Preservative	0.02% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	PBS

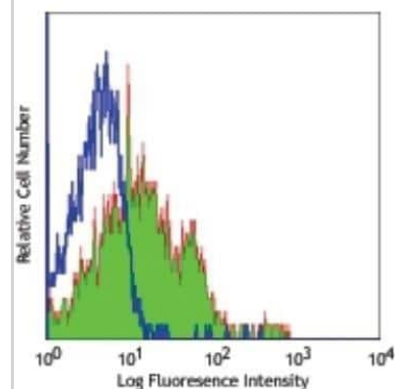
Product Description	
Description	Novus Biologicals Rat Integrin alpha 6/CD49f Antibody (GoH3) - BSA Free (NBP1-43400) is a monoclonal antibody validated for use in IHC, Flow and IP. Anti-Integrin alpha 6/CD49f Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	3655
Gene Symbol	ITGA6
Species	Human, Mouse, Bovine
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 26254531)
Immunogen	The immunogen for this antibody was CD49f.

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This GoH3 (GoH3) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.5 ug per test. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test.

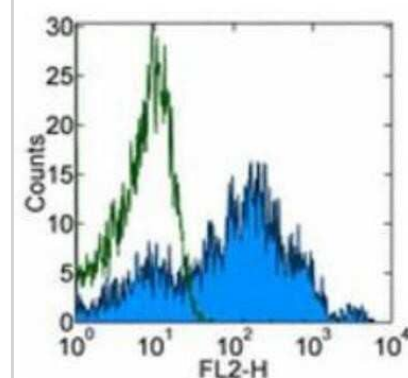


## Images

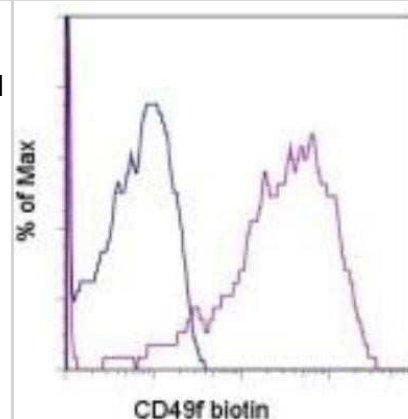
Flow Cytometry: Integrin alpha 6/CD49f Antibody (GoH3) [NBP1-43400]  
- Analysis using the FITC conjugate of NBP1-43400. Staining of Human peripheral blood lymphocytes with GoH3 FITC.



Flow Cytometry: Integrin alpha 6/CD49f Antibody (GoH3) [NBP1-43400]  
- Staining of normal human peripheral blood cells with 0.25 ug of Rat IgG2a Isotype Control Purified (NBP1-43400) (open histogram) or 0.25 ug of Anti-Human/Mouse CD49f (Integrin alpha 6) Purified (filled histogram) followed by Anti-Rat IgG PE. Cells in the lymphocyte gate were used for analysis.



Flow Cytometry: Integrin alpha 6/CD49f Antibody (GoH3) [NBP1-43400]  
- Analysis using the Biotin conjugate of NBP1-43400. Staining of normal human peripheral blood cells with 0.25 ug of Rat IgG2a k Isotype Control Biotin (black) or 0.125 ug of Anti-Human/Mouse CD49f Integrin a6 Biotin (purple) followed by Streptavidin PE. Cells in the lymphocyte gate were used for analysis.



## Publications

Yang Z, Dong P et al. CD49f Acts as an Inflammation Sensor to Regulate Differentiation, Adhesion, and Migration of Human Mesenchymal Stem Cells. *Stem Cells* 2015-01-09 [PMID: 26013602] (IP, Human)

Borena BM, Bussche L, Getachew Y. Antibiotics for Mastitis Negatively Affect in vitro Cultures of Bovine Mammary Epithelial Stem/Progenitor Cells. *European Journal of Biological Sciences*. 2015-01-01 (FLOW, Bovine)

Almaraz RT, Tian Y, Bhattacharya R et al. Metabolic flux increases glycoprotein sialylation: implications for cell adhesion and cancer metastasis *Mol Cell Proteomics* 2012-03-28 [PMID: 22457533]



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### **Products Related to NBP1-43400-0.1mg**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
NBP1-43400UV	Integrin alpha 6/CD49f Antibody (GoH3) [DyLight 350]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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